

AMENDMENTS TO THE CLAIMS:

This listing of Claims will replace all prior versions, and listings, of Claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A control system, comprising:

an automation device operably connected to a network;

a network device operably connected to the network; and,

an application program stored in the network device, wherein the application program controls the automation device, and wherein the application program is selected in response to an application program a network address request message received at the network device and sent from the automation device, the application program request message being responsive to a network address associated with the automation device.
2. (original) The control system of claim 1 wherein the application program comprises an executive code and a user code.
3. (currently amended) The control system of claim 2 wherein the user code is selected in response to the network address of the automation device ~~request message sent from the automation device~~ and the executive code is selected in response to the user code selected.
4. (original) The control system of claim 1 wherein the automation device is a programmable logic controller.
5. (original) The control system of claim 1 wherein the network device is a server.
6. (previously amended) The control system of claim 5 wherein the server has a TCP/IP protocol stack.
7. (original) The control system of claim 1 wherein the network is Internet.

8. (original) The control system of claim 1 wherein the network is Ethernet.

9. (original) The control system of claim 1 wherein the network is Profibus.

10. (original) The control system of claim 1 wherein the network is ControlNet.

11. (original) The control system of claim 1 wherein the network is Modbus+.

12. (currently amended) A method of operating a control system on a network comprising the steps of:

providing a network device for storing an application program to be executed on an automation device;

transmitting a message for requesting a network address for ~~[[from]]~~ the automation device;

transmitting a message for requesting an application program for the automation device,
the message for requesting an application program being responsive to the message for
requesting the network address;

selecting the application program in response to the message for requesting the application program ~~network address~~;

transmitting the application program to the automation device; and,

installing the application program on the automation device.

13. (original) The method of claim 12 further comprising the step of executing the application program on the automation device.

14. (currently amended) The method of claim 12 wherein the step of selecting an application program in response to the request for the application program ~~network address~~ comprises the steps of:

identifying the message for requesting the application program ~~network address~~;

selecting a user application program in response to the message requesting the application program network address; and,

selecting an executive program in response to the user application program selected.

15. (currently amended) The method of claim 12, wherein the application program further comprises:

an executive program code for the automation device; and,

a user program code for the automation device, the user program is selected in response to the message requesting the application program network address.

16. (currently amended) The method of claim 15 wherein the executive program code is customized in response to the message requesting the application program network address to meet the minimum requirements for executing the application program.

17. (currently amended) A network control system, comprising:

means for operably connecting a network device to the network control system, the network device stores an application program for controlling an automation device;

means for transmitting a message requesting a network address;

means for transmitting a message requesting an application program, the message for requesting an application program being responsive to the message requesting the network address;

means for selecting the application program in response to the message requesting the application program network address;

means for transmitting the application program to the automation device; and,

means for installing the application program.

18. (currently amended) The network control system of claim 17 wherein the means for selecting comprises means for customizing the application program to meet the minimum requirements for executing the application program in response to the request for the application program network address.

19. (original) The network control system of claim 17 wherein the automation device is a controller.

20. (original) The network control system of claim 17 wherein the network device is a server.

21. (currently amended) A method of operating a control system on a network comprising the steps of:

providing a network device for storing an application program to be executed on an automation device;

requesting a network address for the automation device;

requesting the application program in response to the network address;

selecting the application program in response to the request for the network address;

transmitting the application program to the automation device; and,

installing the application program on the automation device.

22. (currently amended) The method of claim 21 wherein the selecting the application program includes customizing the application program to meet the minimum requirements for executing the application program ~~selected in response to the message requesting the network~~ address.

23. (currently amended) The method of claim 22 wherein the customizing the application program comprises:

selecting a user code for the application program ~~in response to the message requesting~~
~~the network address~~; and,

selecting an executive code for the application program ~~in response to the user code~~
selected.